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Job No.: CECTC-MK-PMC-2017-18

Date : 27.05.2014

ATTERBERG LIMITS TEST FOR WMM
MORTH TABLE-400-11

Client : **Executive Engineer,** Rajarajeshwari Nagara Division, BBMP, Bangalore.
Agency : **Sri. M. Krishnamurthy,** Contractor, Bangalore.
Name of Work : Providing and Laying HDPE Water line in HMT Layout Block 4in JP Park Ward No 17.
Refrence : EE/RRND/PR/06-1/2013-14 Dated: 07.01.2014
Date of Testing : 27.05.2014
Material Type : Wet Mix Macadam
Sample Location : At Site

As per MORTH Table 400-13

Sl. No.	Particulars	Test Results	Standards as per Specifications
1	Liquid Limit	23.65	-
2	Plasticity Index, %	Non Plastic	6.0% Maximum.

Note:
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2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 15 days from the date of testing.

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Job No. CECTC-MK-PMC-2017-18 Date: 27.05.2014

DETERMINATION OF FLAKINESS INDEX & ELONGATION INDEX OF COARSE AGGREGATES

Client	**Executive Engineer,** Rajarajeshwari Nagara Division, BBMP, Bangalore.
Agency	**Sri. M. Krishnamurthy,** Contractor, Bangalore.
Name of Work	Providing and Laying HDPE Water line in HMT Layout Block 4in JP Park Ward
Refrence	EE/RRND/PR/06-1/2013-14 Dated: 07.01.2014
Technical Reference	IS 2386(Part 1) 1963 (RA 2007)
Type of Mix	Wet Mix macadam
Date of Testing	27.05.2014

Result : Flakiness Index = **14.26%**

Elongation Index = **9.85%**

Result : Combined Flakiness & Elongation index **24.11%**

Comments:

→ Maximum allowable Flakiness & Elongation Index for Wet Mix macadam is 30%

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Job No. CECTC-MK-PMC-2014-15 Date: 27.05.2014

DETERMINATION OF FLAKINESS INDEX & ELONGATION INDEX OF COARSE AGGREGATES

Client	**Executive Engineer,** Rajarajeshwari Nagara Division, BBMP, Bangalore.
Agency	**Sri. M. Krishnamurthy,** Contractor, Bangalore.
Name of Work	Providing and Laying HDPE Water line in HMT Layout Block 4in JP Park Ward
Refrence	EE/RRND/PR/06-1/2013-14 Dated: 07.01.2014
Technical Reference	IS 2386(Part 1) 1963 (RA 2007)
Type of Mix	Wet Mix macadam
Date of Testing	27.05.2014

Result : Flakiness Index = **15.26%**

Elongation Index = **10.85%**

Result : Combined Flakiness & Elongation index **26.11%**

Comments:

→ Maximum allowable Flakiness & Elongation Index for Wet Mix macadam is 30%

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Job No.: CECTC-MK-PMC-2014-15

Date: 03.06.2014

TEST REPORT

Client	:	**Executive Engineer,** Rajarajeshwari Nagara Division, BBMP, Bangalore.
Agency	:	**Sri. M. Krishnamurthy**, Contractor, Bangalore.
Name of the work	:	Providing and Laying HDPE Water line in HMT Layout Block 4in JP Park Ward No 17.
Refrence	:	EE/RRND/PR/06-1/2013-14 Dated: 07.01.2014
Source of location	:	Hot mix Plant, Bangalore
Date of testing	:	03.06.2014

The results of the tests conducted on the bitumen sample using for Bituminous Macadam

Sl. No	Description	Test Result	Requirement as per IS:73:2013
1	Penetration at 25 ^{0}C, 1/10 mm	62	60 to 70
2	Softening point, ^{0}C	52	Min. 45
3	Ductility at 27^{0}C, cm	100 >	Min. 50
4	Flash Point, ^{0}C	296	Min. 220

Note:

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Job No.: CECTC-MK-PMC-2014-15

Date: 03.06.2014

DETERMINATION OF FLAKINESS INDEX & ELONGATION INDEX OF COARSE AGGREGATES

Client	**Executive Engineer,** Rajarajeshwari Nagara Division, BBMP, Bangalore.
Agency	**Sri. M. Krishnamurthy,** Contractor, Bangalore.
Name of Work	Providing and Laying HDPE Water line in HMT Layout Block 4in JP Park Ward No 17.
Refrence	EE/RRND/PR/06-1/2013-14 Dated: 07.01.2014
Technical Reference	IS 2386(Part 1) 1963 (RA 2007)
Type of Mix	Bituminous Macadam
Date of Testing	03.06.2014

Result : Flakiness Index = **13.44%**

Elongation Index = **9.68%**

Result : Combined Flakiness & Elongation index **23.12%**

Comments:

→ Maximum allowable Flakiness & Elongation Index for Bituminous Macadam is 30%

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